

In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application. New material is indicated by an underline, deleted material is indicated by a ~~striketrough~~.

1-106. (Canceled)

107. (Previously presented) An isolated nucleic acid encoding a human Survival of Motor Neuron-Interacting Protein 1, wherein said nucleic acid encodes a polypeptide comprising SEQ ID NO: 2 that differs from the amino acid sequence of SEQ ID NO: 2 by a mutation that inhibits binding of Survival Motor Neuron-Interacting Protein 1 with Survival Motor Neuron protein, wherein said mutation is selected from the group consisting of a deletion of the carboxyl terminal 89 amino acids relative to the amino acid sequence of SEQ ID NO: 2 and a deletion of the carboxyl terminal 162 amino acids relative to the amino acid sequence of SEQ ID NO: 2, and further wherein said nucleic acid comprises a nucleic acid encoding a tag polypeptide covalently linked thereto.

108. (Previously presented) The isolated nucleic acid of claim 107, said nucleic acid further comprising a nucleic acid encoding a promoter/regulatory sequence operably linked thereto.

109. (Previously presented) A vector comprising the isolated nucleic acid of claim 107.

110. (Previously presented) The vector of claim 109, said vector further comprising a nucleic acid encoding a promoter/regulatory sequence operably linked thereto.

111. (Currently amended) An isolated recombinant cell comprising the vector of claim 109.

112. (Currently amended) An isolated recombinant cell comprising the isolated nucleic acid of claim 107.

113. (Previously presented) An antisense isolated nucleic acid complementary to the nucleic acid of claim 107.

114. (Currently amended) An isolated recombinant cell comprising the antisense nucleic acid of claim 113.